Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/27/2018 01:06 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124523	-1	2.09	124572	2.13
Blue	F	SSC	125000	125326	0	1.83	125978	1.81
Blue	E	FITC	15760	15366	-3	2.95	332	22.52
Blue	D	PE	25880	25323	-3	1.98	550	17.02
Blue	B	PerCP-Cy5-5	34075	34227	0	4.19	1040	22.81
Blue	A	PE-Cy7	22776	23073	1	7.46	561	45.22
Red	C	APC	42488	41814	-2	2.81	1573	13.55
Red	A	APC-Cy7	24478	24269	-1	3.01	834	13.09
Violet	B	V450	6304	6149	-3	4.17	346	17.89
Violet	A	V500	26005	24960	-5	3.60	586	13.63

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20734	9.94	608	11	N/A	N/A	Pass
Blue	F	SSC	56906	1.27	579	24	N/A	N/A	Pass
Blue	E	FITC	58	74.13	562	6	0.0156	194	Pass
Blue	D	PE	115	59.67	556	7	0.1302	336	Pass
Blue	B	PerCP-Cy5-5	199	55.34	657	10	0.0073	75	Pass
Blue	A	PE-Cy7	107	115.31	711	14	0.0091	32	Pass
Red	C	APC	371	28.89	605	5	0.0195	165	Pass
Red	A	APC-Cy7	203	29.48	576	5	0.0047	1260	Pass
Violet	B	V450	55	84.01	500	11	0.0286	2767	Pass
Violet	A	V500	87	48.89	516	10	0.0123	1248	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.77	-31.15	0.93
Blue	20.37	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.40
Red	15.52	13.60 - 20.40	N/A	N/A	30.86	31.57	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9666

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments